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U. S. Department of Agriculture - Forest Service
CENTRAL STATES FOREST EXPERIMENT STATION
In Cooperation With
Ohio Agricultural Experiment Station
OHIO DIVISION OF FORESTRY

Technical Note 19.

August 15, 1940.

VOLUME TABLE ^{1/}
for
WHITE ASH
(*Fraxinus americana*)
Stark County, Ohio

Merchantable Stem to a Variable Top Diameter INTERNATIONAL Rule (¹/₂" Kerf)

Diameter breast high outside bark (inches)	Volume of stem in 12.3-foot logs to merchantable height						Basis in trees
	1 log	2 logs	3 logs	4 logs	5 logs	6 logs	
	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Bd.ft.	Number
10	20	47	74	100			3
11	23	55	88	119			9
12	26	64	101	138			12
13	30	73	115	157			6
14	34	82	129	116	222		-
15	38	91	141	192	244		1
16	42	99	155	211	267		8
17	46	108	169	230	290	352	4
18	50	118	185	252	318	386	7
19	54	128	201	275	348	421	8
20	60	142	223	303	385	465	7
21	67	158	248	339	429	519	5
22		177	279	380	481	582	4
23		197	311	424	536	655	6
24		225	354	482	611	738	1
25		253	399	543	689	832	3
26		286	451	614	778	940	2
27			511	697	881	1064	1
28			572	778	986	1191	-
29			638	871	1102	1334	-
Basis in trees-- number	4	18	21	16	23	5	87

^{1/} Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 - "The Ohio Woodland Survey." Measurements taken at 12-foot log lengths above a 1.0-foot stump height. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 foot in length scaled as fractions of an 8-foot log. Table prepared, in 1940, by the equation method. Coefficient of multiple correlation (R) = .981. Standard error of estimate, 81.3 to 123.0 percent. Block shows limits of basic data.

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